

# Material Safety Data Sheet



## Material Safety Data Sheet

(Prepared according to 1907/2006/EC, Article 31)

Revision Date: 24-April-2018




### 1. IDENTIFICATION OF THE SUBSTANCE /COMPANY DETAILS


#### 1.1 Product Details:


Trade Name: **TBS with Tween™ 20 (pH 7.4) (20x)**

Catalog Number                      **Size**  
**BR041-L**                                      1 L (20X)

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#### Toxicological Information Service:

European emergency number: 112

Spain:

CHEMTREC 900-868538

CHEMTREC (Barcelona) +(34)-931768545


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### 2. CHEMICAL CHARACTERISATION


Substance	CAS-no.	EC-no.	Weight %	Classification according to constitution (EG) no 1272/2008 (CLP)
Sodium chloride	7647-14-5	231-598-3	15-20%	Eye Irrit. 2 - H319
Tween 20	9005-64-5	500-018-3	1%	Not classified
Tris (hydroxymethyl) aminomethane	77-86-1	201-064-4	15-20%	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)

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## 3. HAZARDS IDENTIFICATION

### 3.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)

Classified: Skin Irritation (category 2), H315

Eye Irritation (category 2), H319

Specific Target Organ Toxicity – single exposure (category 3), H335

### 3.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)



Signal Word: Warning

#### Hazard statement(s):

H315 Cause skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

#### Precautionary statement(s):

P302+352 IF ON SKIN: Wash with plenty of water

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes; remove contact lenses if present and easy-to-do; continue rinsing

P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing

Complementary hazard information

No further information

### 3.3 Other hazards

No data available

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**If swallowed:** Rinse mouth with water; never give anything by mouth to an unconscious person; get medical attention.

**If inhaled:** Move person to fresh air; if person is not breathing, give artificial respiration; get medical attention

**In case of skin contact:** Wash off with soap and plenty of water; remove contaminated clothes; get medical attention

**In case of eye contact:** Rinse immediately with plenty of water for at least 15 min; remove contact lenses if present and easy-to-do; get medical attention.

**General advice:** Get medical attention; show this data sheet to the doctor in attendance

### 4.2 Most important symptoms and effects, both acute and delayed



No data available

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media: water spray, fog, foam or dry chemical powder

### 5.2 Special hazards arising from the substance or mixture

Sodium oxides, carbon oxides, hydrogen chloride gas

### 5.3 Advice for fire fighters

Wear self-contained breathing apparatus for firefighting, if necessary

### 5.4 Further information

Product itself is not flammable

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation; avoid breathing dust; wear lab coat, safety goggles, suitable protective gloves and boots; wash hands before and after use

### 6.2 Environmental precautions

Do not let product enter drains

### 6.3 Methods and material for containment and cleaning up

Sweep/shovel up spilled material and place it into a suitable waste disposal container; keep container tightly closed for disposal; finish cleaning by spreading water over the contaminated area and ventilate the room

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid dust formation; assure adequate ventilation where dust is formed; avoid contact with skin and eyes

### 7.2 Conditions for safe storage, including any incompatibilities

Store at room temperature in a well-ventilated area; use original container

### 7.3 Specific end use(s)

No data available

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

No data available

### 8.2 Exposure controls

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## Appropriate engineering controls

Use general hygiene procedures; use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits; if user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit

## Personal protective equipment

**Eye/face protection:** Wear safety goggles (EN 166).

**Skin protection:** Use proper lab gloves; gloves must be inspected prior to use.

**Body Protection:** Wear lab coat or other impervious clothes; type of protection equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection:** If necessary, use dust respirator tested and approved under appropriate government standards such as NIOSH (USA) or CEN (EU)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

**Appearance** colorless liquid

**Odour** no data available

**Odour threshold** no data available

**pH** 7.4 at 25°C

**Melting point/ freezing point** no data available

**Initial boiling point and boiling range** no data available

**Flash point** no data available

**Evaporation rate** no data available

**Flammability (Solid, gas)** no data available

**Upper/lower flammability or explosive limits** no data available

**Vapour pressure** no data available

**Vapour density** no data available

**Relative density** no data available

**Water solubility** completely soluble

**Partition coefficient: n-octanol/ water** no data available

**Auto-ignition temperature** no data available

**Decomposition temperature** no data available

**Viscosity** no data available

**Explosive properties** no data available

**Oxidizing properties** no data available

### 9.2 Other information

No further information

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions



### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

Oxidizing agents

### 10.6 Hazardous decomposition products

In case of fire: sodium oxides, carbon oxides, hydrogen chloride gas

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### 11.1.2 Mixtures

##### Acute toxicity

No data available

##### Skin corrosion/irritation

No data available

##### Serious eye damage/ eye irritation

No data available

##### Respiratory or skin sensitization

No data available

##### Germ cell mutagenicity

No data available

##### Carcinogenicity

No data available

##### Reproductive toxicity

No data available

##### Specific target organ toxicity – single exposure

No data available

##### Specific target organ toxicity – repeated exposure

No data available

##### Aspiration hazard

No data available

##### Potential health effects

Inhalation May be harmful if inhaled; causes respiratory tract irritation

Ingestion May be harmful if swallowed

Skin Causes skin irritation

Eyes Causes serious eye irritation

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available



### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

No data available

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. Offer surplus and non-recyclable solutions to a licensed disposal company.

No mixing with other waste.

Contaminated packaging: dispose of as unused product

## 14. TRANSPORT INFORMATION

### 14.1 UN-number

ADR-RID: - IMDG: - IATA: -

### 14.2 UN proper shipping name

ADR-RID Not dangerous good

IMDG: Not dangerous good

IATA: Not dangerous good

### 14.3 Transport hazard class(es)

ADR-RID: - IMDG: - IATA:-

### 14.4 Packaging group

ADR-RID: - IMDG: - IATA: -

### 14.5 Environmental hazards

ADR-RID: no

IMDG, water pollutant: no

IATA: no

### 14.6 Special precautions for user

No data available

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available



## 15. OTHER INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

### 15.2 Chemical safety assessment

No data available

This information is based on the current state of knowledge.

Precaution and disclaimer: For laboratory use only; not for drug, household, or any other use.

#### Text of H-phrase(s) in section 3

Hazard statement(s)

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Skin Irrit 2 Skin Irritation (category 2)

Eye Irrit 2 Eye Irritation (category 2)

STOT SE 3 Specific Target Organ Toxicity – single exposure (category 3)

For research use only Not for diagnostic or therapeutic use on humans or animals. The preceding information was acquired through a research and diligent investigation and the recommendations are based on prudent application of professional judgment. The information should not be considered as exhaustive and should be used only as a guide. All materials and mixtures may present unknown hazards and should be used with care. Since the company cannot control the actual methods, volumes, or the field conditions, the company shall not be liable for any damages or losses resulting from handling or from contact with the product described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.